	Application No.	Applicant(o)
•	Application No.	Applicant(s)
	10/736,598	TSUCHIYA ET AL.
Notice of Allowability	Examiner	Art Unit
	Tarifur R. Chowdhury	2871
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative		
of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>amendment filed on 02/02/06</u> .		
2. The allowed claim(s) is/are <u>1 and 3-8</u> .		
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).		
a) 🛛 All b) 🗌 Some* c) 🗌 None of the:		
1. ☑ Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
	•	-/
•		
	•	
Attachment(s)		•
1. ☑ Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Daí 8), 7. ☐ Examiner's Amendr	nent/Comment
Paper No./Mail Date 11/04/05 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
of Biological Material	9. 🗌 Other	
	•	
•	•	

Application/Control Number: 10/736,598

Art Unit: 2871

Allowable Subject Matter

- 1. Claims 1 and 3-8 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:
- 3. The prior arts of record do not anticipate or render obvious to one skilled in the art a vertical alignment type liquid crystal display device in which a transmissive region for transmissive display and a reflective display region for reflective display are provided with a single dot region comprising various elements as claimed, more specifically a thickness-adjusting layer of the liquid crystal layer having an inclined plane in the vicinity of the boundary between the reflective region and the transmissive display region and electrodes being provided on the inner sides of each of the pair of substrates respectively, with an opening for controlling an alignment direction of the liquid crystal being provided at a position corresponding to the inclined plane of the thickness-adjusting layer of the liquid crystal layer in the electrode on the substrate opposite to the side where the thickness-adjusting layer is provided (Fig. 3).
- 4. The newly cited reference US 2003/0076464 (commonly owned) is related to a transflective display having a thickness-adjusting layer having an inclined plane. Further, US 2004/0061817 (commonly owned) is also related to a transflective liquid crystal display having a thickness-adjust layer with an inclined plane and a reflective electrode with an aperture formed on the substrate opposite to the side where the thickness-adjusting layer is formed and a transparent electrode is formed on the aperture. However, none of the references alone or in combination with any other prior art references teach or suggest the claimed liquid crystal display device specifically the

Art Unit: 2871

limitation such as wherein the opening of the electrode is controlling the an alignment direction of the liquid crystal and is positioned corresponding to the inclined plane of the thickness-adjusting layer

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R. Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC April 05, 2006